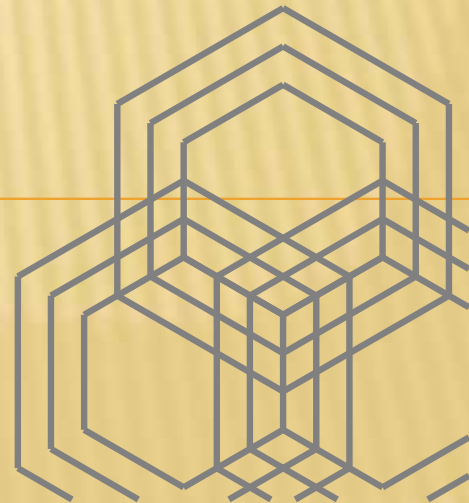


SPACE NEEDS FOR PUBLIC LIBRARIES IN THE 21ST CENTURY

...a preview of the 3rd edition of *Public Library
Space Needs – A Planning Outline*

WAPL conference
Wisconsin Dells
Friday, May 8



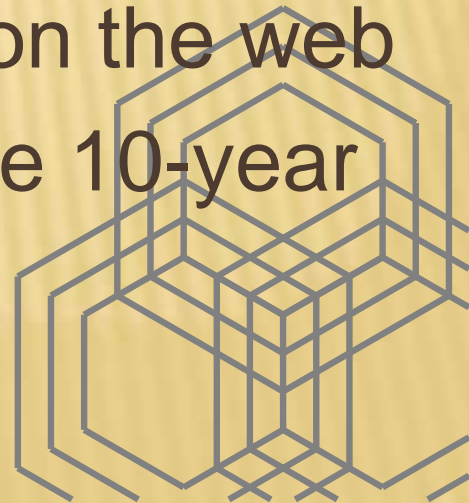
HIGHLIGHTS OF THE NEW EDITION

- ✗ Greater flexibility to accommodate local particulars
- ✗ Optional acknowledgment for “special features”
- ✗ Service population vs. municipal population
- ✗ Greater clarity re ADA requirements
- ✗ Greater clarity re special use (cafes, materials handling gizmos, small group study rooms, etc.)
- ✗ An improved .pdf fill-in form – one-stop shop
- ✗ Alternate considerations for non-Wisconsin libraries



ANTECEDENTS TO THE SPACE NEEDS OUTLINE

- ✖ 1982-83... ALA LAMA BES Architecture for Public Libraries Committee
- ✖ 1985-87... testing the guerilla beta version on unsuspecting WI public libraries
- ✖ 1988... first edition from DPI publications
- ✖ 1998... second edition published on the web
- ✖ 2009... third edition *just misses* the 10-year revision timetable



THE FOUNDATION REMAINS THE SAME...

- ✗ Figure out what to house to figure out how big the house needs to be
 - + Define a service goal
 - + Apply a formula allowance to estimate space need
- ✗ Six types of library space
 - + Collection space
 - + Reader seating space
 - + Staff work space
 - + Meeting space
 - + Special use space
 - + Nonassignable space



BUT FIRST, THE PRELIMINARIES...

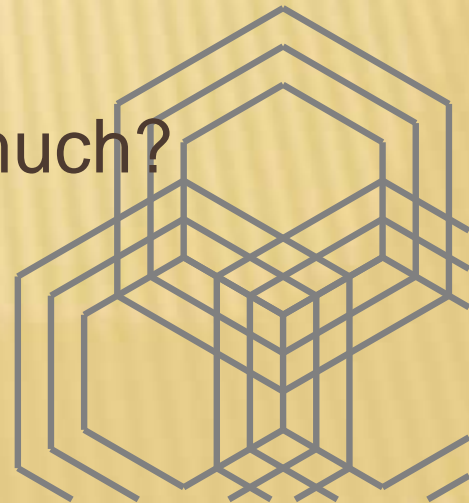
- ✖ Consider the library's service population – how is it changing?
 - + Growing? Stable? Contracting?
 - + Essential demographic characteristics
- ✖ Estimate the design population
 - + 20-year forecast of primary jurisdiction population
 - + Plus accommodation of nonresident use
 - + Resident population \div resident share of total circ = design population



COLLECTION SPACE...AN EXAMPLE

× Books

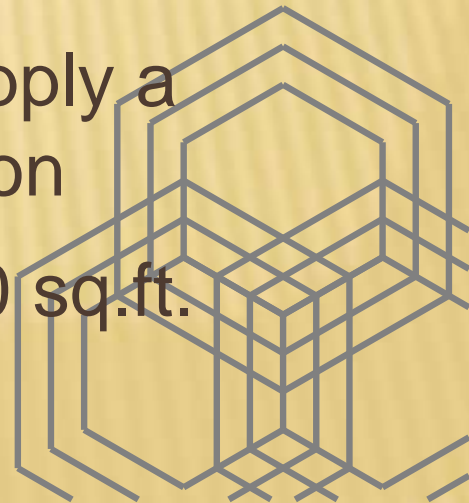
- + Estimate future inventory needs – how many?
 - × State standards
 - × Growth rates
 - × Comparisons with other libraries
 - × Local demographics
 - × Impact of digital delivery
- + Estimate the space needed – how much?
 - × Apply a factor of **10, 13, or 15** volumes per square foot



OTHER COMPONENTS OF SERVICE & SPACE

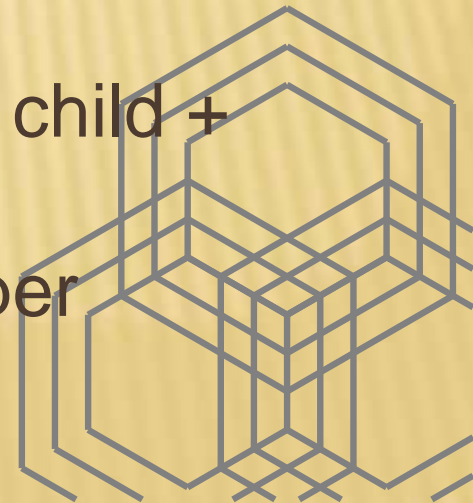
✖ Other collections

- + Magazine display: 1.0 sq.ft. per title received
- + Magazine backfiles: 0.5 sq.ft. per title per year held
- + Nonprint: Apply a factor of **10, 13, or 15** items per sq.ft.
- + Public access computer stations: Apply a factor of **35, 45, or 50** sq.ft. per station
- ✖ Reader seating: Apply a factor of 30 sq.ft. per seat



SERVICE & SPACE COMPONENTS (PT 2)

- ✖ Staff work space: Apply a factor of **125, 140, or 150** sq.ft. per staff station
- ✖ Meeting room space
 - + Multi-purpose space: 10 sq.ft. per seat + 100 sq.ft.
 - + Conference space: 30 sq.ft. per seat + 10 sq.ft. per gallery seat
 - + Storytime space: **10 or 15** sq.ft. per child + 50 sq.ft.
 - + Computer training space: 50 sq.ft. per station + 80 sq.ft.



SERVICE & SPACE COMPONENTS (PT 3)

- ✖ Special use space: Allow 12%, 15% or 17% of gross building area
- ✖ Nonassignable space: Allow 25%, 27% or 30% of gross building area
- ✖ **Additional optional allocations**
 - + Automated materials handling?
 - + Garage?
 - + Café? Book sale / Friends store?
 - + Something else entirely?



SPACE NEEDS WORKSHEET

SPACE NEEDS WORKSHEET

INSTRUCTIONS: fill in all shaded worksheet cells. In most cases, the default value is "0."

DESIGN POPULATION

Projected resident population	.....	0
Nonresident service population	.....	0
Design population	.....	0

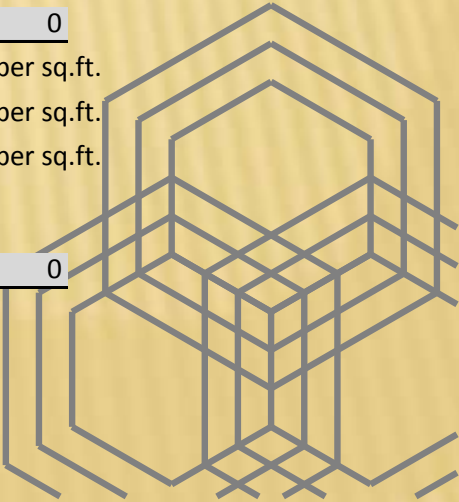
COLLECTION SPACE

Books: The space needed for the library's book collection is determined by the size of the collection and the parameters of the shelving environment. Depending on factors such as the width of the aisles and the height of the shelving, book collections can be housed at 10, 13 or 15 volumes per square foot. As the volumes housed per square foot increases, the average aisle width will decrease, the height of the shelving will grow, and there will be fewer opportunities for marketing display.

- * How many volumes will the library need to house? 0
- * What is the library's preferred collection density? (choose one) ☐ 10 volumes per sq.ft.
☐ 13 volumes per sq.ft.
☐ 15 volumes per sq.ft.

Magazine / newspapers: The Americans with Disabilities Act specifies that current issue display shelving for magazines is subject to height limitations, which conditions how much space magazines will need

- * How many titles will the library receive? 0



SPACE NEEDS WORKSHEET (PT 2)

SPECIAL USE SPACE

Special use space reserves space for features such as small group study rooms, a copy center, a public café or refreshment area, a used book sale area, a staff break room, and so on. A larger proportionate allocation here reserves the option to incorporate a wider array of special use functions as a specific architectural plan is developed.

- * Choose the library's preferred allocation for special use space.
- ☐ 12% of gross area
- ☐ 15% of gross area
- ☐ 17% of gross area

NONASSIGNABLE SPACE

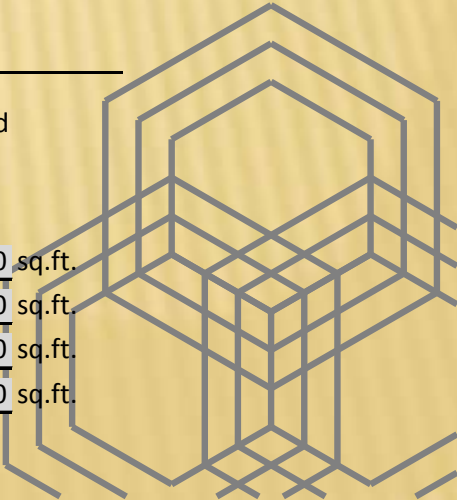
Nonassignable space reserves space for such necessary features as mechanical rooms, restrooms, stairwells and elevators. Typically a smaller building will need to reserve a larger share of its gross area for nonassignable purposes, while a larger building will require a smaller proportion for nonassignable. New construction will likely need a smaller proportion than an addition or renovation.

- * Choose the library's preferred allocation for nonassignable
- ☐ 25% of gross area
- ☐ 27% of gross area
- ☐ 30% of gross area

ADDITIONAL ALLOWANCES

As an option, this worksheet can accommodate additional special allowances for features that may or may now be adequately accommodated in the preceding calculations. These may include space for an automated materials handling system, or a garage (if the library owns and operates vehicles). List any such special features here, along with a suitable square foot allowance

		Allowance
none	.....	0 sq.ft.
none	.....	0 sq.ft.
none	.....	0 sq.ft.
none	.....	0 sq.ft.



SPACE NEEDS SUMMARY

SPACE NEEDS SUMMARY

COLLECTION SPACE

<u> </u> 0 volumes to house at	<u> </u> vol/sq.ft.	<u> </u> sq.ft.*
<u> </u> 0 magazine display at	<u> 1.0</u> sq.ft./title	<u> </u> sq.ft.
<u> </u> 0 magazine backfile at	<u> 0.5</u> sq.ft./title/yr held	<u> </u> sq.ft.
<u> </u> 0 nonprint items to house at	<u> </u> items/sq.ft.	<u> </u> sq.ft.
<u> </u> 0 public access computers at	<u> </u> sq.ft. per station	<u> </u> sq.ft.

READER SEATING SPACE

<u> </u> 0 reader seats at	<u> 30.0</u> sq.ft. per seat	<u> </u> sq.ft.
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STAFF WORK SPACE

<u> </u> 0 reader seats at	<u> </u> sq.ft. per station	<u> </u> sq.ft.
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MEETING ROOM SPACE

<u> </u> 0 multi-purpose seats	<u> 10.0</u> sq.ft. per seat	<u> </u> sq.ft.
<u> </u> 0 conference room seats	<u> 30.0</u> sq.ft. per seat	<u> </u> sq.ft.*
<u> </u> 0 storytime seats	<u> </u> sq.ft. per seat	<u> </u> sq.ft.
<u> </u> 0 computer training lab seats	<u> 50.0</u> sq.ft. per seat	<u> </u> sq.ft.

SPECIAL USE SPACE

calculated at <u> </u> of gross building area	<u> </u> sq.ft.
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NONASSIGNABLE SPACE

calculated at <u> </u> of gross building area	<u> </u> sq.ft.
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SPECIAL ALLOWANCES

<u> </u> none	<u> </u> 0 sq.ft.
<u> </u> none	<u> </u> 0 sq.ft.
<u> </u> none	<u> </u> 0 sq.ft.
<u> </u> none	<u> </u> 0 sq.ft.

GROSS AREA NEEDED	<u> </u> sq.ft.
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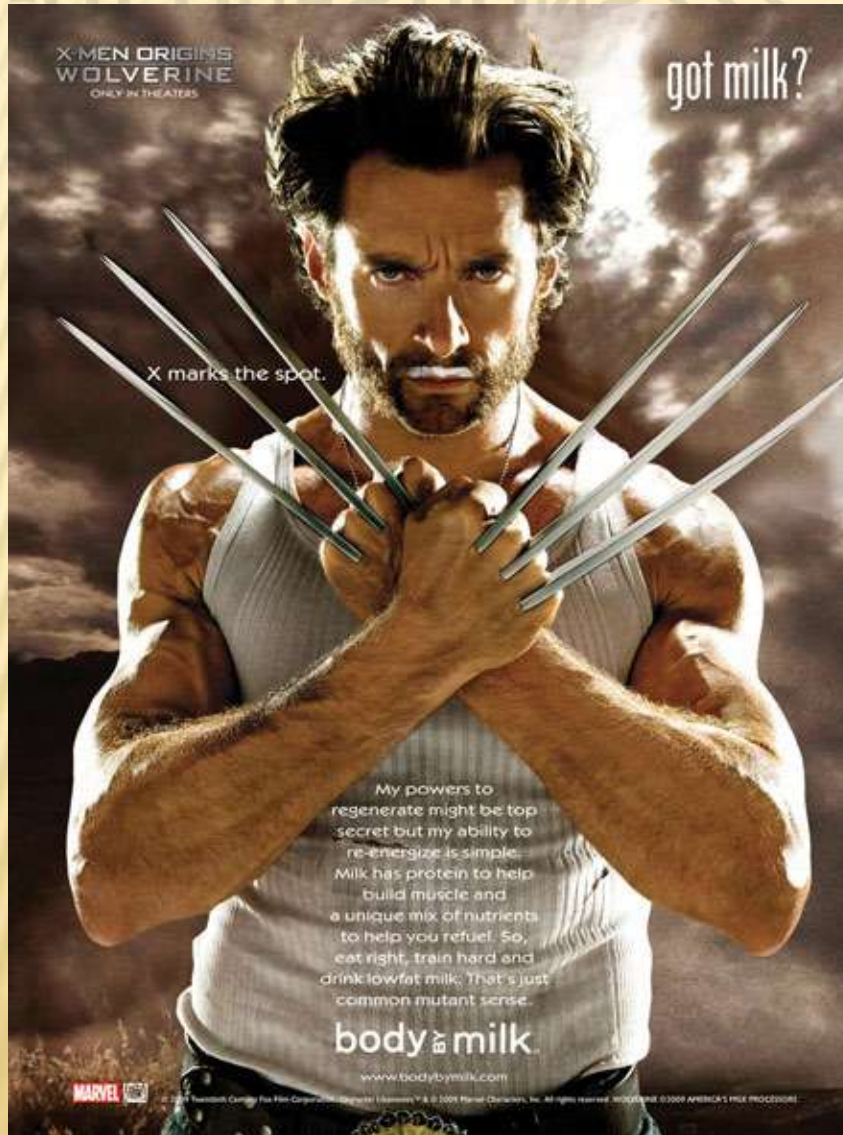


USING THE RESULTS

- ✗ Evaluate expansion options
 - + Build on?
 - + Build new?
 - + Remodel?
 - + Convert?
 - + Do nothing?
- ✗ Assess site needs
- ✗ Make initial cost estimates



GOT QUESTIONS???



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